

An industry perspective on medicines `single unit` coding

- Chris Dierickx
- Manager Business Development - Pfizer Global Supply – Puurs



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Content



- **Introduction**
 - Pfizer Global Supply Puurs and Business Development
- **Single Unit Coding**
 - Customer Requirement
 - Approach
 - Scope
 - Single Unit coding - Process Review
 - GTIN and Barcode Basics, Coding and Examples

Conflict of interest: nothing to disclose
Pfizer Employee



Our Company: Pfizer worldwide



- Founded in 1849
- CEO: Ian Read
- Headquarters: New York, NY (USA)



Pfizer GLOBAL SUPPLY

Our Company: Pfizer Global Supply Vision

- Deliver quality products to customers in most responsive way (100% supply assurance)
- Cost- competitive
- Adding value by innovation & sustainability



- Robust and Right First Time processes
- State-of-the-art manufacturing & packaging technologies
- Continues improvement



Pfizer GLOBAL SUPPLY

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Customer Requirement

Hospital Unit Dose Barcoding



- **Increase patient safety and compliance** by introducing technologies to allow **bedside scanning**



Approach



- Single Unit Coding as an integral component of the overall hospital strategy
- A pan-European/Worldwide approach for all Markets and Pfizer Global Supply
- Globally recognized standards for 2D Barcodes exist (GS1)
- Standards will promote
 - Consistent application across manufacturers
 - Simplified adoption for Healthcare providers



Type barcodes



Code 128



Code 39



Code 93



DataMatrix



2D



PDF417



UPC - A



2D barcode



Why is Data Matrix Code popular?

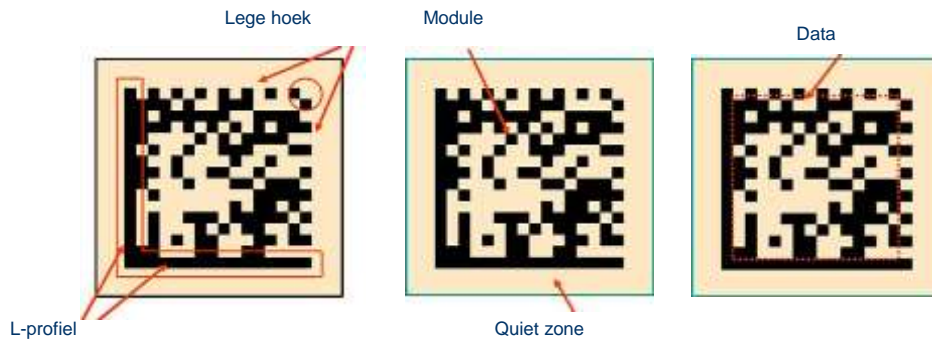
A 1D barcode is shown above the letters A-Z. Below it, a Data Matrix code is shown above the letters A-Z. The text "Less space required" is written below the Data Matrix code.

Five Data Matrix codes are shown, each with a different type of damage: a diagonal slash, a black square, a white circle, a jagged edge, and a missing corner. The text "These damaged symbols are still readable" is written below them.

Four Data Matrix codes are shown, each rotated at a different angle (0, 45, 90, and 135 degrees). The text "Omni-directional reading" is written below them.

GIOSM.SLMPLY

DataMatrix ECC200



Scope



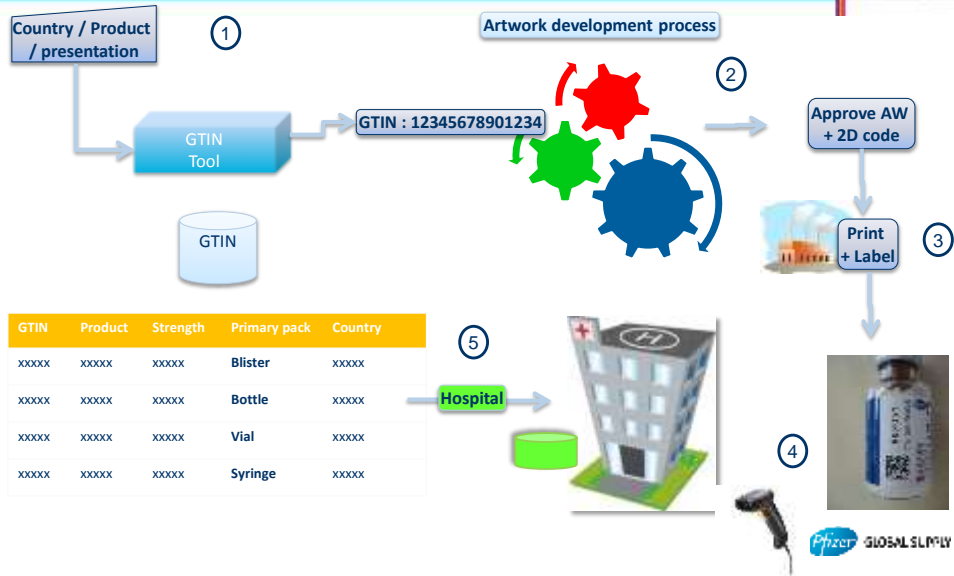
- Implementing a 2D barcode with **static data** (unique product identification code or Global Trade Identification Number - GTIN)
 - All Hospital products
 - Injectables and orals
 - Primary Container or single unit
 - All Pfizer Branded, Established and inlicensed products
- Implementation of a 2D barcode with **variable data** (GTIN, Batch #, expiration date) is not in scope



2D on carton or unit of sale – different scope

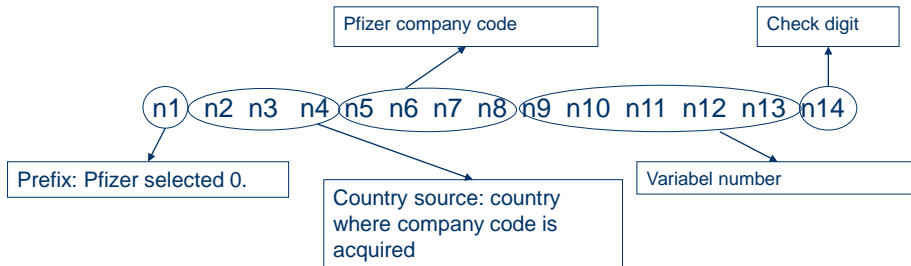


Single Unit Coding - Process Overview



GTIN and Barcode Basics

GTIN = Global Trade Identification Number



Data Carrier: GS1 2D DataMatrix Barcode




Desired HUD Data & Barcode



*It is permissible to omit the HRI of the GTIN if there is insufficient space on the component.

GTIN coding



1.  Artwork Creation & GTIN assignment: GTIN 1*
2.  Item 1: It uses the Artwork & GTIN 1*
3.  Item 2: It uses the same Artwork & GTIN 1*

Once an GTIN is assigned to the formulation/container/country combination the GTIN remain unchanged when changing the Artwork/label

*Different GTIN required on the unit of sale required for the varying counts or multiplicity of unit doses



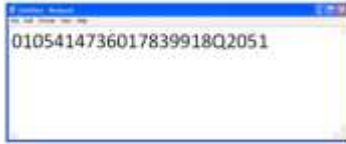
GS1?



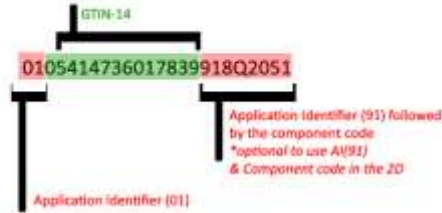
- international standard and enables interoperability
- therefore anyone can interpret, since the composition of the string of characters is uniquely defined
- contains check points or references for verification on data accuracy
- Can contain more info then the linear barcode (2D and compact)
- GS compliance is a prerequisite for correct reading and interpretation in the hospitals and customers



Unprogrammed 2D Handheld Scanner Output:
Raw Data Defined



Unprogrammed 2D Handheld Scanner Output:
Raw Data Defined



AI (91) will be replaced by AI (243)

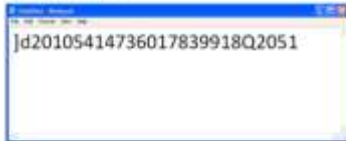


Unprogrammed Output
01087133321241789110000226-02

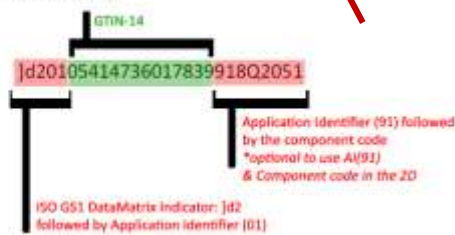
Programmed Output
|d201087133321241789110000226-02

GTIN: 08713332124178
Pfizer by 10000226-02

Programmed 2D Handheld Scanner Output:
Raw Data Defined



Programmed 2D Handheld Scanner Output:
Raw Data Defined



Examples

Exp./Chargenr.: 8Q2625

GTIN: 08713332123137

CYKLOKAPRON®
100 mg/ml
TRANEXAMINEZUUR

1 ampul à 5 ml
oplossing voor injectie
voor intraveneuze
toediening

SOLU-MEDROL
40 mg

Succinaat zout van methylprednisolon
SUCCLNAT SODIQU DE METHYLPREDNISON

1-40-044
E-19

8Q2051

GTIN: 08713332123137

SOLU-MEDROL S.A.B. 40 mg
(= sans alcool benzylique/
zonder benzylalcohol/ohne
Benzylalkohol)

Poudre/Poeder/Pulver

SUCCLNAT SODIQU DE METHYLPREDNISON/NEZ METHYLPREDNISONNATRIUM/SUCCLNAT

IM - IV

Examples



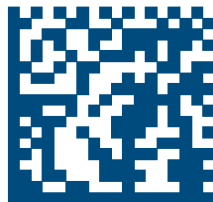
Pfizer GLOSM SLP/IV

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Examples



0108713332123737918Q2625



Pfizer GLOSM SLP/IV

Examples



Dynastat™ 40 mg
 Poudre pour solution injectable
 Poudre voor oplossing voor injectie
 Pulver zur Herstellung einer
 Injektionslösung - Vials B/IMA - Lufolux
 Paracetolo (pat. de Svizzera)
 Paracetolo (pat. de Svizzera)
 Paracetolo (pat. de Svizzera)
 Paracetolo (pat. de Svizzera)
 Paracetolo (pat. de Svizzera)

**No GS1 DM
 "8Q0789"**

**GS1 DM
 "(01)05414736018355(91)8Q1927"**



Examples



SOLU-MEDROL 40 mg
 Solution injectable Coliforme pour solution injectable
 SUCCINAT SODIUM (E-MERON) PRODRUMIUM
 METYL PREDNISOLON-ACETAT-BOECCONAT
 1 ml x 10
 10 - 10

**No GS1 DM
 "8Q0954"**

**GS1 DM
 "(01)05414736017822(91)8Q1707"**

SOLU-MEDROL S.A.B. 40 mg
 (= sans alcool benzoylique
 zonder benzoylalkohol)
 Poudre/Poudre/Pulver
 SUCCEINAT SODIUM (E-MERON)
 METYL PREDNISOLON-ACETAT-BOECCONAT
 10 x 1 ml
 10 - 10

**No GS1 DM
 "8Q0949"**

**GS1 DM
 "(01)05414736017839(91)8Q1708"**



Thank You – Q&A



Chris

